

Air Quality Division

Air Monitoring
& Quality Assurance
Program

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Exceptional Events Waiver
Request
For Exceptional PM_{2.5} Events
June 27 - 30,
July 7 - 12, and
July 23, 2015
in the Fairbanks North Star
Borough, Alaska

-Appendix B-
Air Quality Advisories

February 15, 2020

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ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Air Quality
AIR QUALITY ADVISORY
Central and Eastern Interior Alaska #2019-F1
Thursday, May 2, 2019

LOCATION(S) IMPACTED: Central and Eastern Interior, Delta Junction area and Tanana Flats are experiencing degraded air quality due to wildfire smoke from the Oregon Lakes Impact Area, Donnelly Training Area wildland fire.

TIME/DATE OF UPDATE: Thursday, May 02, 2019 8:30 AM.

VALID TIME: Thursday, May 02, 2019 8:30 AM to Friday, May 3, 2019 4:00 PM, advisory will be issued until end of the event.

TIME/DATE OF THE NEXT REPORT: Friday, May 3, 2019 4:00 PM

ADVISORY: Smoke from Donnelly Training Area wildfire is impacting the air quality for Central and Eastern Interior Alaska. Winds will be shifting from a westerly wind to an easterly wind during the day, the shift will transport smoke into the Tanana Flats potentially affecting the Fairbanks North Star Borough. Precipitation, rain and snow, is forecasted to move through the region late tonight through Friday. Air Quality will vary between **GOOD** and **UNHEALTHY** depending on wind flow and proximity to the fires. **See the table below for more guidance on the Air Quality Categories and Cautionary Statements.**

Be aware that areas immediately downwind of any fire will experience **HAZARDOUS** levels of smoke. Generally, worse conditions occur overnight and during the early morning hours, as the atmosphere cools and brings smoke to the surface. During the day, surface heating will mix smoke and carry it upwards, temporarily improving air quality.

SMOKE AND PUBLIC IMPACT: This is an area forecast, and as such is a general forecast for portions of Southwestern Interior Alaska. Smoke intensity will vary depending on precise location and local wind flow patterns. Smoke concentrations will be such that they could impact public health at times. It is advised that travelers check local weather as smoke conditions may vary considerably from one locality to the next. The most recent weather observations may be found on National Weather Service's homepage at <http://pafc.arh.noaa.gov/obs.php>.

In smoke impacted areas, DEC advises people with respiratory or heart disease, the elderly and children should avoid prolonged exertion; everyone else should limit prolonged exertion.

The following table contains the cautionary statements for the Air Quality for Particle Pollution.

Air Quality Category	Cautionary Statements
Good	None
Moderate	Unusually sensitive people should consider reducing prolonged or heavy exertion.
Unhealthy for Sensitive Groups	People with heart or lung disease, the elderly and children should reduce prolonged or heavy exertion.
Unhealthy	People with respiratory or heart disease, the elderly and children should avoid prolonged exertion; everyone else should limit prolonged exertion
Very Unhealthy	People with respiratory or heart disease, the elderly and children should avoid any outdoor activity; everyone else should avoid prolonged exertion
Hazardous	Everyone should avoid any outdoor exertion; people with respiratory or heart disease, the elderly and children should remain indoors

When air quality data is unavailable, the following **Air Quality Smoke Reference Guide** may be used to estimate air quality levels and potential health impacts:

Visibility	Air Quality
10+ miles	Good
6 - 9 miles	Moderate
3 - 5 miles	Unhealthy for sensitive groups
1.5 - 2.5 miles	Unhealthy
0.9 - 1.4 miles	Very Unhealthy
0.8 miles or less	Hazardous

FOR MORE INFORMATION: For information on this advisory, contact Mark Smith with the Division of Air Quality at 907-269-7676.

ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Air Quality
AIR QUALITY ADVISORY
Central and Eastern Interior Alaska #2019-F2
Tuesday, May 7, 2019

LOCATION(S) IMPACTED: Central and Eastern Interior, Delta Junction area and Tanana Flats are experiencing degraded air quality due to wildfire smoke from the Oregon Lakes Impact Area, Donnelly Training Area wildland fire.

TIME/DATE OF UPDATE: Tuesday, May 07, 2019 12:00 PM.

VALID TIME: Tuesday, May 07, 2019 12:00 PM to Thursday, May 09, 2019 4:00 PM, advisory will be issued until end of the event.

TIME/DATE OF THE NEXT REPORT: Thursday, May 09, 2019 4:00 PM

ADVISORY: Smoke from Donnelly Training Area wildfire is impacting the air quality for Central and Eastern Interior Alaska. Current area is under a Red Flag warning until 9pm AKDT Tuesday. Winds will enhance fire development and spread smoke throughout the flats. No significant precipitation is forecasted for in the near future. Air Quality will vary between **GOOD** and **UNHEALTHY** depending on wind flow and proximity to the fires. **See the table below for more guidance on the Air Quality Categories and Cautionary Statements.**

Be aware that areas immediately downwind of any fire will experience **HAZARDOUS** levels of smoke. Generally, worse conditions occur overnight and during the early morning hours, as the atmosphere cools and brings smoke to the surface. During the day, surface heating will mix smoke and carry it upwards, temporarily improving air quality.

SMOKE AND PUBLIC IMPACT: This is an area forecast, and as such is a general forecast for portions of Southwestern Interior Alaska. Smoke intensity will vary depending on precise location and local wind flow patterns. Smoke concentrations will be such that they could impact public health at times. It is advised that travelers check local weather as smoke conditions may vary considerably from one locality to the next. The most recent weather observations may be found on National Weather Service's homepage at <http://pafc.arh.noaa.gov/obs.php>.

In smoke impacted areas, DEC advises people with respiratory or heart disease, the elderly and children should avoid prolonged exertion; everyone else should limit prolonged exertion.

The following table contains the cautionary statements for the Air Quality for Particle Pollution.

Air Quality Category	Cautionary Statements
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Good	None
Moderate	Unusually sensitive people should consider reducing prolonged or heavy exertion.
Unhealthy for Sensitive Groups	People with heart or lung disease, the elderly and children should reduce prolonged or heavy exertion.
Unhealthy	People with respiratory or heart disease, the elderly and children should avoid prolonged exertion; everyone else should limit prolonged exertion
Very Unhealthy	People with respiratory or heart disease, the elderly and children should avoid any outdoor activity; everyone else should avoid prolonged exertion
Hazardous	Everyone should avoid any outdoor exertion; people with respiratory or heart disease, the elderly and children should remain indoors

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Visibility	Air Quality
10+ miles	Good
6 - 9 miles	Moderate
3 - 5 miles	Unhealthy for sensitive groups
1.5 - 2.5 miles	Unhealthy
0.9 - 1.4 miles	Very Unhealthy
0.8 miles or less	Hazardous

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ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Air Quality
AIR QUALITY ADVISORY
Central and Eastern Alaska #2019-F6
Friday, June 21, 2019

LOCATION(S) IMPACTED: The upper Yukon Valley is experiencing degraded air quality due to wildfire smoke from the Marr and Black River fires.

VALID TIME: Friday, June 21, 2019 8:00 AM to Monday June 24, 2019 4:00 PM, advisory will be issued until end of the event.

TIME/DATE OF THE NEXT REPORT: Monday June 24, 2019 4:00 PM, if needed.

ADVISORY: Smoke from the Marr and Black River fires in the Yukon Flatt have seen significant growth of the last 18 hours. Warm/dry conditions will continue through the weekend, supporting fire/smoke development. Wetting rains are forecasted to move into the area by June 25th. Air Quality will vary between **GOOD** and **UNHEALTHY** depending on wind flow and proximity to the fires. **See the table below for more guidance on the Air Quality Categories and Cautionary Statements.**

Be aware that areas immediately downwind of any fire will experience **HAZARDOUS** levels of smoke. Generally, worse conditions occur overnight and during the early morning hours, as the atmosphere cools and brings smoke to the surface. During the day, surface heating will mix smoke and carry it upwards, temporarily improving air quality.

SMOKE AND PUBLIC IMPACT: This is an area forecast, and as such is a general forecast for portions of Southwestern Interior Alaska. Smoke intensity will vary depending on precise location and local wind flow patterns. Smoke concentrations will be such that they could impact public health at times. It is advised that travelers check local weather as smoke conditions may vary considerably from one locality to the next. The most recent weather observations may be found on National Weather Service's homepage at <http://pafc.arh.noaa.gov/obs.php>.

In smoke impacted areas, DEC advises people with respiratory or heart disease, the elderly and children should avoid prolonged exertion; everyone else should limit prolonged exertion.

The following table contains the cautionary statements for the Air Quality for Particle Pollution.

Air Quality Category	Cautionary Statements
Good	None
Moderate	Unusually sensitive people should consider reducing prolonged or heavy exertion.
Unhealthy for Sensitive Groups	People with heart or lung disease, the elderly and children should reduce prolonged or heavy exertion.
Unhealthy	People with respiratory or heart disease, the elderly and children should avoid prolonged exertion; everyone else should limit prolonged exertion
Very Unhealthy	People with respiratory or heart disease, the elderly and children should avoid any outdoor activity; everyone else should avoid prolonged exertion
Hazardous	Everyone should avoid any outdoor exertion; people with respiratory or heart disease, the elderly and children should remain indoors

When air quality data is unavailable, the following **Air Quality Smoke Reference Guide** may be used to estimate air quality levels and potential health impacts:

Visibility	Air Quality
10+ miles	Good
6 - 9 miles	Moderate
3 - 5 miles	Unhealthy for sensitive groups
1.5 - 2.5 miles	Unhealthy
0.9 - 1.4 miles	Very Unhealthy
0.8 miles or less	Hazardous

FOR MORE INFORMATION: For information on this advisory, contact Mark Smith with the Division of Air Quality at 907-269-7676.

ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Air Quality
AIR QUALITY ADVISORY
Central and Eastern Alaska #2019-F8
Monday, June 24, 2019

LOCATION(S) IMPACTED: The upper Yukon Valley is experiencing degraded air quality due to wildfire smoke from numerous fires in the Yukon Flats.

VALID TIME: Monday, June 24, 2019 4:00 PM to Wednesday June 27, 2019 4:00 PM, advisory will be issued until end of the event.

TIME/DATE OF THE NEXT REPORT: Wednesday June 27, 2019 4:00 PM, if needed.

ADVISORY: Westerly winds, 10-15 mph, will be predominant in the afternoon hours for the next few days. The hot/dry conditions with the addition of wind will aid in fire/smoke development. Smoke will lift during the day and settle into low lying areas at night. FNSB could see smoke in late evening/early morning hours from smoke draining down the valleys from the fires to the northwest-north of the borough. Communities of Beaver, Fort Yukon, Chalkyitsik, Central, Circle and Eagle will experience direct impact from the surrounding fires. Air Quality will vary between **GOOD** and **UNHEALTHY** depending on wind flow and proximity to the fires. See the table below for more guidance on the Air Quality Categories and Cautionary Statements.

Be aware that areas immediately downwind of any fire will experience **HAZARDOUS** levels of smoke. Generally, worse conditions occur overnight and during the early morning hours, as the atmosphere cools and brings smoke to the surface. During the day, surface heating will mix smoke and carry it upwards, temporarily improving air quality.

SMOKE AND PUBLIC IMPACT: This is an area forecast, and as such is a general forecast for portions of Southwestern Interior Alaska. Smoke intensity will vary depending on precise location and local wind flow patterns. Smoke concentrations will be such that they could impact public health at times. It is advised that travelers check local weather as smoke conditions may vary considerably from one locality to the next. The most recent weather observations may be found on National Weather Service's homepage at <https://www.wrh.noaa.gov/map/>. UAFSMOKE, Wildfire Smoke Prediction for Alaska can be accessed at <http://smoke.alaska.edu/PM25.html>

In smoke impacted areas, DEC advises people with respiratory or heart disease, the elderly and children should avoid prolonged exertion; everyone else should limit prolonged exertion.

The following table contains the cautionary statements for the Air Quality for Particle Pollution.

Air Quality Category	Cautionary Statements
Good	None
Moderate	Unusually sensitive people should consider reducing prolonged or heavy exertion.
Unhealthy for Sensitive Groups	People with heart or lung disease, the elderly and children should reduce prolonged or heavy exertion.
Unhealthy	People with respiratory or heart disease, the elderly and children should avoid prolonged exertion; everyone else should limit prolonged exertion
Very Unhealthy	People with respiratory or heart disease, the elderly and children should avoid any outdoor activity; everyone else should avoid prolonged exertion
Hazardous	Everyone should avoid any outdoor exertion; people with respiratory or heart disease, the elderly and children should remain indoors

When air quality data is unavailable, the following **Air Quality Smoke Reference Guide** may be used to estimate air quality levels and potential health impacts:

Visibility	Air Quality
10+ miles	Good
6 - 9 miles	Moderate
3 - 5 miles	Unhealthy for sensitive groups
1.5 - 2.5 miles	Unhealthy
0.9 - 1.4 miles	Very Unhealthy
0.8 miles or less	Hazardous

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ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Air Quality
AIR QUALITY ADVISORY
Central and Eastern Alaska #2019-F10
Wednesday, June 26, 2019

LOCATION(S) IMPACTED: Tanana Flats, from Toklat to Delta Junction and the Yukon Valley is experiencing degraded air quality due to wildfire smoke from numerous fires throughout Central and Eastern Alaska.

VALID TIME: Wednesday, June 26, 2019 4:00 PM to Saturday June 29, 2019 4:00 PM, advisory will be issued until end of the event.

TIME/DATE OF THE NEXT REPORT: Saturday June 29, 2019 4:00 PM, if needed.

ADVISORY: A high pressure system is dominating the region. Winds at the surface be more of a diurnal mountain wind pattern, smoke will be transported up the valleys during the day and settling at the base/low lying areas late night early morning. Intense surface heating in the flats will lift the smoke up into the gradient transport winds, which are out of the west for the next advisory period. Tanana Flats, from Toklat to Delta Junction and the Yukon Valley is experiencing degraded air quality due to wildfire smoke from numerous fires throughout Central and Eastern Alaska. Air Quality will vary between **GOOD** and **UNHEALTHY** depending on wind flow and proximity to the fires. **See the table below for more guidance on the Air Quality Categories and Cautionary Statements.**

Be aware that areas immediately downwind of any fire will experience **HAZARDOUS** levels of smoke. Generally, worse conditions occur overnight and during the early morning hours, as the atmosphere cools and brings smoke to the surface. During the day, surface heating will mix smoke and carry it upwards, temporarily improving air quality.

SMOKE AND PUBLIC IMPACT: This is an area forecast, and as such is a general forecast for portions of Southwestern Interior Alaska. Smoke intensity will vary depending on precise location and local wind flow patterns. Smoke concentrations will be such that they could impact public health at times. It is advised that travelers check local weather as smoke conditions may vary considerably from one locality to the next. The most recent weather observations may be found on National Weather Service's homepage at <https://www.wrh.noaa.gov/map/>. UAFSMOKE, Wildfire Smoke Prediction for Alaska can be accessed at <http://smoke.alaska.edu/PM25.html>

In smoke impacted areas, DEC advises people with respiratory or heart disease, the elderly and children should avoid prolonged exertion; everyone else should limit prolonged exertion.

The following table contains the cautionary statements for the Air Quality for Particle Pollution.

Air Quality Category	Cautionary Statements
Good	None
Moderate	Unusually sensitive people should consider reducing prolonged or heavy exertion.
Unhealthy for Sensitive Groups	People with heart or lung disease, the elderly and children should reduce prolonged or heavy exertion.
Unhealthy	People with respiratory or heart disease, the elderly and children should avoid prolonged exertion; everyone else should limit prolonged exertion
Very Unhealthy	People with respiratory or heart disease, the elderly and children should avoid any outdoor activity; everyone else should avoid prolonged exertion
Hazardous	Everyone should avoid any outdoor exertion; people with respiratory or heart disease, the elderly and children should remain indoors

When air quality data is unavailable, the following **Air Quality Smoke Reference Guide** may be used to estimate air quality levels and potential health impacts:

Visibility	Air Quality
10+ miles	Good
6 - 9 miles	Moderate
3 - 5 miles	Unhealthy for sensitive groups
1.5 - 2.5 miles	Unhealthy
0.9 - 1.4 miles	Very Unhealthy
0.8 miles or less	Hazardous

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ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Air Quality
AIR QUALITY ADVISORY
Central and Eastern Alaska #2019-F13
Saturday, June 29, 2019

LOCATION(S) IMPACTED: Tanana Flats, from Tanana to Delta Junction, the Yukon Valley, and Tok through Northway is experiencing degraded air quality due to wildfire smoke from numerous fires throughout Central and Eastern Alaska.

VALID TIME: Saturday June 29, 2019 11:00 PM to Monday July 1, 2019 4:00 PM, advisory will be issued until end of the event.

TIME/DATE OF THE NEXT REPORT: Saturday June 29, 2019 4:00 PM, if needed.

ADVISORY: A high pressure system is dominating the region. Winds at the surface will be more of a diurnal mountain wind pattern, smoke will be transported up the valleys during the day and settling at the base/low lying areas late night early morning. Intense surface heating in the flats will lift the smoke up into the gradient transport winds, which are out of the west for the next advisory period. A weak low will be moving through the region Sunday/Monday, with a chance of wetting rains. As soon as it moves through the high pressure will take hold again provide ample support for fire/smoke development. The southern portion of Eastern Alaska near Northway is not expected to see enough precipitation to tame the Boundary River or McArthur Creek fires. Air Quality will vary between **GOOD** and **VERY UNHEALTHY** depending on wind flow and proximity to the fires. **See the table below for more guidance on the Air Quality Categories and Cautionary Statements.**

Be aware that areas immediately downwind of any fire will experience **HAZARDOUS** levels of smoke. Generally, worse conditions occur overnight and during the early morning hours, as the atmosphere cools and brings smoke to the surface. During the day, surface heating will mix smoke and carry it upwards, temporarily improving air quality.

SMOKE AND PUBLIC IMPACT: This is an area forecast, and as such is a general forecast for portions of Southwestern Interior Alaska. Smoke intensity will vary depending on precise location and local wind flow patterns. Smoke concentrations will be such that they could impact public health at times. It is advised that travelers check local weather as smoke conditions may vary considerably from one locality to the next. The most recent weather observations may be found on National Weather Service's homepage at <https://www.wrh.noaa.gov/map/>. UAFSMOKE, Wildfire Smoke Prediction for Alaska can be accessed at <http://smoke.alaska.edu/PM25.html>

In smoke impacted areas, DEC advises people with respiratory or heart disease, the elderly and children should avoid prolonged exertion; everyone else should limit prolonged exertion.

The following table contains the cautionary statements for the Air Quality for Particle Pollution.

Air Quality Category	Cautionary Statements
Good	None
Moderate	Unusually sensitive people should consider reducing prolonged or heavy exertion.
Unhealthy for Sensitive Groups	People with heart or lung disease, the elderly and children should reduce prolonged or heavy exertion.
Unhealthy	People with respiratory or heart disease, the elderly and children should avoid prolonged exertion; everyone else should limit prolonged exertion
Very Unhealthy	People with respiratory or heart disease, the elderly and children should avoid any outdoor activity; everyone else should avoid prolonged exertion
Hazardous	Everyone should avoid any outdoor exertion; people with respiratory or heart disease, the elderly and children should remain indoors

When air quality data is unavailable, the following **Air Quality Smoke Reference Guide** may be used to estimate air quality levels and potential health impacts:

Visibility	Air Quality
10+ miles	Good
6 - 9 miles	Moderate
3 - 5 miles	Unhealthy for sensitive groups
1.5 - 2.5 miles	Unhealthy
0.9 - 1.4 miles	Very Unhealthy
0.8 miles or less	Hazardous

FOR MORE INFORMATION: For information on this advisory, contact Mark Smith with the Division of Air Quality at 907-269-7676.

LASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Air Quality
AIR QUALITY ADVISORY
Central and Eastern Alaska #2019-F14
Monday, July 1, 2019

LOCATION(S) IMPACTED: Tanana Flats, from Tanana to Delta Junction, the Yukon Valley, and Tok through Northway is experiencing degraded air quality due to wildfire smoke from numerous fires throughout Central and Eastern Alaska.

VALID TIME: Monday July 1, 2019 4:00 PM to Friday July 5, 2019 4:00 PM, advisory will be issued until end of the event.

TIME/DATE OF THE NEXT REPORT: Friday July 5, 2019 4:00 PM, if needed.

ADVISORY: A weak pressure system has moved through the region, providing wetting rains and dampening a majority of the fires. By Wednesday the high pressure will take hold again, hot/conditions will dominate, the winds will be southwest to west at the surface. In the early morning and evening timeframe the winds will be more of a diurnal mountain wind pattern, smoke will be transported up the valleys during the day and settling at the base/low lying areas late night early morning. Intense surface heating in the flats will lift the smoke up into the gradient transport winds, which are out of the west for the next advisory period. Air Quality will vary between **GOOD** and **VERY UNHEALTHY** depending on wind flow and proximity to the fires. **See the table below for more guidance on the Air Quality Categories and Cautionary Statements.**

Be aware that areas immediately downwind of any fire will experience **HAZARDOUS** levels of smoke. Generally, worse conditions occur overnight and during the early morning hours, as the atmosphere cools and brings smoke to the surface. During the day, surface heating will mix smoke and carry it upwards, temporarily improving air quality.

SMOKE AND PUBLIC IMPACT: This is an area forecast, and as such is a general forecast for portions of Southwestern Interior Alaska. Smoke intensity will vary depending on precise location and local wind flow patterns. Smoke concentrations will be such that they could impact public health at times. It is advised that travelers check local weather as smoke conditions may vary considerably from one locality to the next. The most recent weather observations may be found on National Weather Service's homepage at <https://www.wrh.noaa.gov/map/>. UAFSMOKE, Wildfire Smoke Prediction for Alaska can be accessed at <http://smoke.alaska.edu/PM25.html>

In smoke impacted areas, DEC advises people with respiratory or heart disease, the elderly and children should avoid prolonged exertion; everyone else should limit prolonged exertion.

The following table contains the cautionary statements for the Air Quality for Particle Pollution.

Air Quality Category	Cautionary Statements
Good	None
Moderate	Unusually sensitive people should consider reducing prolonged or heavy exertion.
Unhealthy for Sensitive Groups	People with heart or lung disease, the elderly and children should reduce prolonged or heavy exertion.
Unhealthy	People with respiratory or heart disease, the elderly and children should avoid prolonged exertion; everyone else should limit prolonged exertion
Very Unhealthy	People with respiratory or heart disease, the elderly and children should avoid any outdoor activity; everyone else should avoid prolonged exertion
Hazardous	Everyone should avoid any outdoor exertion; people with respiratory or heart disease, the elderly and children should remain indoors

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10+ miles	Good
6 - 9 miles	Moderate
3 - 5 miles	Unhealthy for sensitive groups
1.5 - 2.5 miles	Unhealthy
0.9 - 1.4 miles	Very Unhealthy
0.8 miles or less	Hazardous

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ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Air Quality

AIR QUALITY ADVISORY

Central and Eastern Alaska #2019-F17

Friday, July 5, 2019

LOCATION(S) IMPACTED: The Yukon Valley, Tanana Flats, and Northway area along the Alaska Canadian Highway are experiencing degraded air quality due to wildfire smoke from numerous fires throughout Central and Eastern Alaska.

VALID TIME: Friday July 5, 2019 3:00 PM to Tuesday July 9, 2019 4:00 PM, advisory will be issued until end of the event.

TIME/DATE OF THE NEXT REPORT: Tuesday July 9, 2019 4:00 PM, if needed.

ADVISORY: Fires continue to burn in the central and eastern regions. Hot/dry/clear conditions will aid in smoke/fire development over the weekend. Also, burnout operations will start today, July 5th, on the Shovel Creek fire. Expect smoke to impact the FNSB area until operations are complete. Air Quality will vary between **GOOD** and **UNHEALTHY** depending on wind flow and proximity to the fires. **See the table below for more guidance on the Air Quality Categories and Cautionary Statements.**

Be aware that areas immediately downwind of any fire will experience **HAZARDOUS** levels of smoke. Generally, worse conditions occur overnight and during the early morning hours, as the atmosphere cools and brings smoke to the surface. During the day, surface heating will mix smoke and carry it upwards, temporarily improving air quality.

SMOKE AND PUBLIC IMPACT: This is an area forecast, and as such is a general forecast for portions of Southwestern Interior Alaska. Smoke intensity will vary depending on precise location and local wind flow patterns. Smoke concentrations will be such that they could impact public health at times. It is advised that travelers check local weather as smoke conditions may vary considerably from one locality to the next. The most recent weather observations may be found on National Weather Service's homepage at <https://www.wrh.noaa.gov/map/>. UAFSMOKE, Wildfire Smoke Prediction for Alaska can be accessed at <http://smoke.alaska.edu/PM25.html>

In smoke impacted areas, DEC advises people with respiratory or heart disease, the elderly and children should avoid prolonged exertion; everyone else should limit prolonged exertion.

The following table contains the cautionary statements for the Air Quality for Particle Pollution.

Air Quality Category	Cautionary Statements
Good	None
Moderate	Unusually sensitive people should consider reducing prolonged or heavy exertion.
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Unhealthy	People with respiratory or heart disease, the elderly and children should avoid prolonged exertion; everyone else should limit prolonged exertion
Very Unhealthy	People with respiratory or heart disease, the elderly and children should avoid any outdoor activity; everyone else should avoid prolonged exertion
Hazardous	Everyone should avoid any outdoor exertion; people with respiratory or heart disease, the elderly and children should remain indoors

When air quality data is unavailable, the following **Air Quality Smoke Reference Guide** may be used to estimate air quality levels and potential health impacts:

Visibility	Air Quality
10+ miles	Good
6 - 9 miles	Moderate
3 - 5 miles	Unhealthy for sensitive groups
1.5 - 2.5 miles	Unhealthy
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ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Air Quality

AIR QUALITY ADVISORY

Central and Eastern Alaska #2019-F23

Tuesday, July 9, 2019

LOCATION(S) IMPACTED: The Yukon Valley, Tanana Flats, Alaska Range and Northway area along the Alaska Canadian Highway are experiencing degraded air quality due to wildfire smoke from numerous fires throughout Central and Eastern Alaska.

VALID TIME: Tuesday July 9, 2019 4:00 PM to Thursday July 11, 2019 4:00 PM, advisory will be issued until end of the event.

TIME/DATE OF THE NEXT REPORT: Thursday July 11, 2019 4:00 PM, if needed.

ADVISORY: Fires continue to burn and smoke has engulfed both the central and eastern regions. Until the region has a significant amount of precipitation to dampen the fires, expect smoke to continue to effect the air quality. Air Quality will vary between **GOOD** and **HAZARDOUS** depending on wind flow and proximity to the fires. **See the table below for more guidance on the Air Quality Categories and Cautionary Statements.**

Be aware that areas immediately downwind of any fire will experience **HAZARDOUS** levels of smoke. Generally, worse conditions occur overnight and during the early morning hours, as the atmosphere cools and brings smoke to the surface. During the day, surface heating will mix smoke and carry it upwards, temporarily improving air quality.

SMOKE AND PUBLIC IMPACT: This is an area forecast, and as such is a general forecast for portions of Southwestern Interior Alaska. Smoke intensity will vary depending on precise location and local wind flow patterns. Smoke concentrations will be such that they could impact public health at times. It is advised that travelers check local weather as smoke conditions may vary considerably from one locality to the next. The most recent weather observations may be found on National Weather Service's homepage at <https://www.wrh.noaa.gov/map/>. UAFSMOKE, Wildfire Smoke Prediction for Alaska can be accessed at <http://smoke.alaska.edu/PM25.html>

In smoke impacted areas, DEC advises people with respiratory or heart disease, the elderly and children should avoid prolonged exertion; everyone else should limit prolonged exertion.

The following table contains the cautionary statements for the Air Quality for Particle Pollution.

Air Quality Category	Cautionary Statements
Good	None
Moderate	Unusually sensitive people should consider reducing prolonged or heavy exertion.
Unhealthy for Sensitive Groups	People with heart or lung disease, the elderly and children should reduce prolonged or heavy exertion.
Unhealthy	People with respiratory or heart disease, the elderly and children should avoid prolonged exertion; everyone else should limit prolonged exertion
Very Unhealthy	People with respiratory or heart disease, the elderly and children should avoid any outdoor activity; everyone else should avoid prolonged exertion
Hazardous	Everyone should avoid any outdoor exertion; people with respiratory or heart disease, the elderly and children should remain indoors

When air quality data is unavailable, the following **Air Quality Smoke Reference Guide** may be used to estimate air quality levels and potential health impacts:

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10+ miles	Good
6 - 9 miles	Moderate
3 - 5 miles	Unhealthy for sensitive groups
1.5 - 2.5 miles	Unhealthy
0.9 - 1.4 miles	Very Unhealthy
0.8 miles or less	Hazardous

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ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Air Quality

AIR QUALITY ADVISORY

Central and Eastern Alaska #2019-F26

Thursday, July 11, 2019

LOCATION(S) IMPACTED: The Yukon and Tanana Valleys, Alaska Range and Tok/Northway area along the Alaska Canadian Highway are experiencing degraded air quality due to wildfire smoke from numerous fires throughout Central and Eastern Alaska.

VALID TIME: Thursday July 11, 2019 4:00 PM to Monday July 15, 2019 4:00 PM, advisory will be issued until end of the event.

TIME/DATE OF THE NEXT REPORT: Monday July 15, 2019 4:00 PM, if needed.

ADVISORY: Fires continue to burn and smoke has engulfed both the central and eastern regions. Until the region has a significant amount of precipitation to dampen the fires, expect smoke to continue to effect the air quality. Air Quality will vary between **GOOD** and **HAZARDOUS** depending on wind flow and proximity to the fires. **See the table below for more guidance on the Air Quality Categories and Cautionary Statements.**

Be aware that areas immediately downwind of any fire will experience **HAZARDOUS** levels of smoke. Generally, worse conditions occur overnight and during the early morning hours, as the atmosphere cools and brings smoke to the surface. During the day, surface heating will mix smoke and carry it upwards, temporarily improving air quality.

SMOKE AND PUBLIC IMPACT: This is an area forecast, and as such is a general forecast for portions of Southwestern Interior Alaska. Smoke intensity will vary depending on precise location and local wind flow patterns. Smoke concentrations will be such that they could impact public health at times. It is advised that travelers check local weather as smoke conditions may vary considerably from one locality to the next. The most recent weather observations may be found on National Weather Service's homepage at <https://www.wrh.noaa.gov/map/>. UAFSMOKE, Wildfire Smoke Prediction for Alaska can be accessed at <http://smoke.alaska.edu/PM25.html>

In smoke impacted areas, DEC advises people with respiratory or heart disease, the elderly and children should avoid prolonged exertion; everyone else should limit prolonged exertion.

The following table contains the cautionary statements for the Air Quality for Particle Pollution.

Air Quality Category	Cautionary Statements
Good	None
Moderate	Unusually sensitive people should consider reducing prolonged or heavy exertion.
Unhealthy for Sensitive Groups	People with heart or lung disease, the elderly and children should reduce prolonged or heavy exertion.
Unhealthy	People with respiratory or heart disease, the elderly and children should avoid prolonged exertion; everyone else should limit prolonged exertion
Very Unhealthy	People with respiratory or heart disease, the elderly and children should avoid any outdoor activity; everyone else should avoid prolonged exertion
Hazardous	Everyone should avoid any outdoor exertion; people with respiratory or heart disease, the elderly and children should remain indoors

When air quality data is unavailable, the following **Air Quality Smoke Reference Guide** may be used to estimate air quality levels and potential health impacts:

Visibility	Air Quality
10+ miles	Good
6 - 9 miles	Moderate
3 - 5 miles	Unhealthy for sensitive groups
1.5 - 2.5 miles	Unhealthy
0.9 - 1.4 miles	Very Unhealthy
0.8 miles or less	Hazardous

FOR MORE INFORMATION: For information on this advisory, contact Mark Smith with the Division of Air Quality at 907-269-7676.

ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Air Quality
AIR QUALITY ADVISORY
Central and Eastern Alaska #2019-F27
Monday, July 15, 2019

LOCATION(S) IMPACTED: The Yukon and Tanana Valleys, and Tok/Northway area along the Alaska Canadian Highway are experiencing degraded air quality due to wildfire smoke from numerous fires throughout Central and Eastern Alaska.

VALID TIME: Monday July 15, 2019 4:00 PM to Thursday July 18, 2019 4:00 PM, advisory will be issued until end of the event.

TIME/DATE OF THE NEXT REPORT: Thursday July 18, 2019 4:00 PM, if needed.

ADVISORY: Fires in the Tanana Valley and in the vicinity of FNSB have received wetting rains over the past few days keeping fire/smoke development at a minimum. The fires in the upper Yukon Valley have continued to burn at fill the region with smoke. Precipitation looks to be moving into the northern portion of east Alaska by late Thursday. Air Quality will vary between **GOOD** and **VERY UNHEALTHY** depending on wind flow and proximity to the fires. **See the table below for more guidance on the Air Quality Categories and Cautionary Statements.**

Be aware that areas immediately downwind of any fire will experience **HAZARDOUS** levels of smoke. Generally, worse conditions occur overnight and during the early morning hours, as the atmosphere cools and brings smoke to the surface. During the day, surface heating will mix smoke and carry it upwards, temporarily improving air quality.

SMOKE AND PUBLIC IMPACT: This is an area forecast, and as such is a general forecast for portions of Southwestern Interior Alaska. Smoke intensity will vary depending on precise location and local wind flow patterns. Smoke concentrations will be such that they could impact public health at times. It is advised that travelers check local weather as smoke conditions may vary considerably from one locality to the next. The most recent weather observations may be found on National Weather Service's homepage at <https://www.wrh.noaa.gov/map/> . UAFSMOKE, Wildfire Smoke Prediction for Alaska can be accessed at <http://smoke.alaska.edu/PM25.html>

In smoke impacted areas, DEC advises people with respiratory or heart disease, the elderly and children should avoid prolonged exertion; everyone else should limit prolonged exertion.

The following table contains the cautionary statements for the Air Quality for Particle Pollution.

Air Quality Category	Cautionary Statements
Good	None
Moderate	Unusually sensitive people should consider reducing prolonged or heavy exertion.
Unhealthy for Sensitive Groups	People with heart or lung disease, the elderly and children should reduce prolonged or heavy exertion.
Unhealthy	People with respiratory or heart disease, the elderly and children should avoid prolonged exertion; everyone else should limit prolonged exertion
Very Unhealthy	People with respiratory or heart disease, the elderly and children should avoid any outdoor activity; everyone else should avoid prolonged exertion
Hazardous	Everyone should avoid any outdoor exertion; people with respiratory or heart disease, the elderly and children should remain indoors

When air quality data is unavailable, the following **Air Quality Smoke Reference Guide** may be used to estimate air quality levels and potential health impacts:

Visibility	Air Quality
10+ miles	Good
6 - 9 miles	Moderate
3 - 5 miles	Unhealthy for sensitive groups
1.5 - 2.5 miles	Unhealthy
0.9 - 1.4 miles	Very Unhealthy
0.8 miles or less	Hazardous

FOR MORE INFORMATION: For information on this advisory, contact Mark Smith with the Division of Air Quality at 907-269-7676.

ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Air Quality

AIR QUALITY ADVISORY

Central and Eastern Alaska #2019-F28

Thursday, July 18, 2019

LOCATION(S) IMPACTED: Smoke lies between Brooks and Alaska Range. The Yukon and Tanana Valleys, and Tok/Northway area along the Alaska Canadian Highway are experiencing degraded air quality due to wildfire smoke from fires throughout Central and Eastern Alaska.

VALID TIME: Thursday July 18, 2019 4:00 PM to Sunday July 21, 2019 4:00 PM, advisory will be issued until end of the event.

TIME/DATE OF THE NEXT REPORT: Sunday July 21, 2019 4:00 PM, if needed.

ADVISORY: The complex of fires in Central and Eastern Alaska continue to burn and fill the region with smoke. Smoke is backed up along the Brooks Range and extends down to the Alaska Range. Air Quality will vary between **GOOD** and **VERY UNHEALTHY** depending on wind flow and proximity to the fires. **See the table below for more guidance on the Air Quality Categories and Cautionary Statements.**

Be aware that areas immediately downwind of any fire will experience **HAZARDOUS** levels of smoke. Generally, worse conditions occur overnight and during the early morning hours, as the atmosphere cools and brings smoke to the surface. During the day, surface heating will mix smoke and carry it upwards, temporarily improving air quality.

SMOKE AND PUBLIC IMPACT: This is an area forecast, and as such is a general forecast for portions of Southwestern Interior Alaska. Smoke intensity will vary depending on precise location and local wind flow patterns. Smoke concentrations will be such that they could impact public health at times. It is advised that travelers check local weather as smoke conditions may vary considerably from one locality to the next. The most recent weather observations may be found on National Weather Service's homepage at <https://www.wrh.noaa.gov/map/>. UAFSMOKE, Wildfire Smoke Prediction for Alaska can be accessed at <http://smoke.alaska.edu/PM25.html>

In smoke impacted areas, DEC advises people with respiratory or heart disease, the elderly and children should avoid prolonged exertion; everyone else should limit prolonged exertion.

The following table contains the cautionary statements for the Air Quality for Particle Pollution.

Air Quality Category	Cautionary Statements
Good	None
Moderate	Unusually sensitive people should consider reducing prolonged or heavy exertion.
Unhealthy for Sensitive Groups	People with heart or lung disease, the elderly and children should reduce prolonged or heavy exertion.
Unhealthy	People with respiratory or heart disease, the elderly and children should avoid prolonged exertion; everyone else should limit prolonged exertion
Very Unhealthy	People with respiratory or heart disease, the elderly and children should avoid any outdoor activity; everyone else should avoid prolonged exertion
Hazardous	Everyone should avoid any outdoor exertion; people with respiratory or heart disease, the elderly and children should remain indoors

When air quality data is unavailable, the following **Air Quality Smoke Reference Guide** may be used to estimate air quality levels and potential health impacts:

Visibility	Air Quality
10+ miles	Good
6 - 9 miles	Moderate
3 - 5 miles	Unhealthy for sensitive groups
1.5 - 2.5 miles	Unhealthy
0.9 - 1.4 miles	Very Unhealthy
0.8 miles or less	Hazardous

FOR MORE INFORMATION: For information on this advisory, contact Mark Smith with the Division of Air Quality at 907-269-7676.

ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Air Quality
AIR QUALITY ADVISORY
Central and Eastern Alaska #2019-F29
Monday, July 22, 2019

LOCATION(S) IMPACTED: The upper Yukon and Tanana Valleys are experiencing degraded air quality due to wildfire smoke from numerous fires in the Central and Eastern Alaska.

VALID TIME: Monday, July 22, 2019 5:00 PM to Wednesday July 24, 2019 4:00 PM, advisory will be issued until end of the event.

TIME/DATE OF THE NEXT REPORT: Wednesday July 24, 2019 4:00 PM, if needed.

ADVISORY: Clear, dry conditions for the next 2 days will allow the complex of fires to produce enough smoke to once again fill the Tanana and Upper Yukon Valleys. Expect smoke from south of the Brooks Range down to the Alaska Range. Air Quality will vary between **GOOD** and **VERY UNHEALTHY** depending on wind flow and proximity to the fires. **See the table below for more guidance on the Air Quality Categories and Cautionary Statements.**

Be aware that areas immediately downwind of any fire will experience **HAZARDOUS** levels of smoke. Generally, worse conditions occur overnight and during the early morning hours, as the atmosphere cools and brings smoke to the surface. During the day, surface heating will mix smoke and carry it upwards, temporarily improving air quality.

SMOKE AND PUBLIC IMPACT: This is an area forecast, and as such is a general forecast for portions of Southwestern Interior Alaska. Smoke intensity will vary depending on precise location and local wind flow patterns. Smoke concentrations will be such that they could impact public health at times. It is advised that travelers check local weather as smoke conditions may vary considerably from one locality to the next. The most recent weather observations may be found on National Weather Service's homepage at <https://www.wrh.noaa.gov/map/>. UAFSMOKE, Wildfire Smoke Prediction for Alaska can be accessed at <http://smoke.alaska.edu/PM25.html>

In smoke impacted areas, DEC advises people with respiratory or heart disease, the elderly and children should avoid prolonged exertion; everyone else should limit prolonged exertion.

The following table contains the cautionary statements for the Air Quality for Particle Pollution.

Air Quality Category	Cautionary Statements
Good	None
Moderate	Unusually sensitive people should consider reducing prolonged or heavy exertion.
Unhealthy for Sensitive Groups	People with heart or lung disease, the elderly and children should reduce prolonged or heavy exertion.
Unhealthy	People with respiratory or heart disease, the elderly and children should avoid prolonged exertion; everyone else should limit prolonged exertion
Very Unhealthy	People with respiratory or heart disease, the elderly and children should avoid any outdoor activity; everyone else should avoid prolonged exertion
Hazardous	Everyone should avoid any outdoor exertion; people with respiratory or heart disease, the elderly and children should remain indoors

When air quality data is unavailable, the following **Air Quality Smoke Reference Guide** may be used to estimate air quality levels and potential health impacts:

Visibility	Air Quality
10+ miles	Good
6 - 9 miles	Moderate
3 - 5 miles	Unhealthy for sensitive
1.5 - 2.5 miles	groups
0.9 - 1.4 miles	Unhealthy
0.8 miles or less	Very Unhealthy
	Hazardous

FOR MORE INFORMATION: For information on this advisory, contact Mark Smith with the Division of Air Quality at 907-269-7676.

ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Air Quality
AIR QUALITY ADVISORY
Central and Eastern Alaska #2019-F30
Wednesday, July 24, 2019

LOCATION(S) IMPACTED: Smoke in the Brooks Range down to the Alaska Range. The upper Yukon and Tanana Valleys are experiencing degraded air quality due to wildfire smoke from numerous fires in the Central and Eastern Alaska.

VALID TIME: Wednesday July 24, 2019 5:00 PM to Friday July 26, 2019 4:00 PM, advisory will be issued until end of the event.

TIME/DATE OF THE NEXT REPORT: Friday July 26, 2019 4:00 PM, if needed.

ADVISORY: The complex of fires in the Upper Yukon Valley is still producing smoke, a low pressure system moving in from the west will cause the upper level winds to be out of the south. As smoke is lifted, it will be transported north over the Brooks Range. The complex of fires in the Upper Yukon Valley is still producing smoke. Expect smoke from south of the Brooks Range down to the Alaska Range. Air Quality will vary between **GOOD** and **VERY UNHEALTHY** depending on wind flow and proximity to the fires. **See the table below for more guidance on the Air Quality Categories and Cautionary Statements.**

Be aware that areas immediately downwind of any fire will experience **HAZARDOUS** levels of smoke. Generally, worse conditions occur overnight and during the early morning hours, as the atmosphere cools and brings smoke to the surface. During the day, surface heating will mix smoke and carry it upwards, temporarily improving air quality.

SMOKE AND PUBLIC IMPACT: This is an area forecast, and as such is a general forecast for portions of Southwestern Interior Alaska. Smoke intensity will vary depending on precise location and local wind flow patterns. Smoke concentrations will be such that they could impact public health at times. It is advised that travelers check local weather as smoke conditions may vary considerably from one locality to the next. The most recent weather observations may be found on National Weather Service's homepage at <https://www.wrh.noaa.gov/map/>. UAFSMOKE, Wildfire Smoke Prediction for Alaska can be accessed at <http://smoke.alaska.edu/PM25.html>

In smoke impacted areas, DEC advises people with respiratory or heart disease, the elderly and children should avoid prolonged exertion; everyone else should limit prolonged exertion.

The following table contains the cautionary statements for the Air Quality for Particle Pollution.

Air Quality Category	Cautionary Statements
Good	None
Moderate	Unusually sensitive people should consider reducing prolonged or heavy exertion.
Unhealthy for Sensitive Groups	People with heart or lung disease, the elderly and children should reduce prolonged or heavy exertion.
Unhealthy	People with respiratory or heart disease, the elderly and children should avoid prolonged exertion; everyone else should limit prolonged exertion
Very Unhealthy	People with respiratory or heart disease, the elderly and children should avoid any outdoor activity; everyone else should avoid prolonged exertion
Hazardous	Everyone should avoid any outdoor exertion; people with respiratory or heart disease, the elderly and children should remain indoors

When air quality data is unavailable, the following **Air Quality Smoke Reference Guide** may be used to estimate air quality levels and potential health impacts:

Visibility	Air Quality
10+ miles	Good
6 - 9 miles	Moderate
3 - 5 miles	Unhealthy for sensitive
1.5 - 2.5 miles	groups
0.9 - 1.4 miles	Unhealthy
0.8 miles or less	Very Unhealthy
	Hazardous

FOR MORE INFORMATION: For information on this advisory, contact Mark Smith with the Division of Air Quality at 907-269-7676.